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1	US 20030081656 A1	20030501	33	Methods and apparatus for downlink diversity in CDMA using Walsh codes	375/142	375/144; 375/146; 375/148; 375/150
2	US 20030067993 A1	20030410	14	Open-loop diversity technique for systems employing multi-transmitter antennas	375/267	375/346
3	US 20030043887 A1	20030306	29	Communication system and methods of estimating channel impulse responses therein	375/144	
4	US 20030035468 A1	20030220	38	System and method for adjusting combiner weights using an adaptive algorithm in wireless communications system	375/148	
5	US 20030031276 A1	20030213	9	Decoder, and an associated method, for decoding space-time encoded data	375/340	375/347
6	US 20030026345 A1	20030206	18	Multipath equalization for MIMO multiuser systems	375/260	375/346
7	US 20030002568 A1	20030102	15	Multi-path interference cancellation for transmit diversity	375/148	375/267
8	US 20020196842 A1	20021226	21	Closed loop multiple transmit, multiple receive antenna wireless communication system	375/148	375/267
9	US 20020176485 A1	20021128	21	Multi-cast communication system and method of estimating channel impulse responses therein	375/144	375/260; 375/340
10	US 20020126779 A1	20020912	39	Receiving method and receiver	375/346	
11	US 20020126746 A1	20020912	17	Time tracking in a non-negligible multipath spacing environment	375/148	
12	US 20020106008 A1	20020808	16	Receiver architecture for transmit diversity in CDMA system	375/148	
13	US 20020067761 A1	20020606	11	Method and system for canceling multiple access interference in CDMA wireless communication system	375/148	
14	US 20020034267 A1	20020321	22	System for near optimal joint channel estimation and data detection for COFDM systems	375/340	

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2	Viswanathan, Harish
3	Hudson, John E.
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7	Dabak, Anand et al.
8	Onggosanusi, Eko N. et al.
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15	US 6549585 B2	20030415	12	Combined interference cancellation and maximum likelihood decoding of space-time block codes	375/267	375/148
16	US 6546043 B1	20030408	10	Method and apparatus for cancellation of multiple access interference in a code division multiple access (CDMA) communication system	375/148	
17	US 6522683 B1	20030218	16	Method and apparatus for adaptive linear equalization for walsh covered modulation	375/144	375/145; 375/146
18	US 6501747 B1	20021231	16	Manifold assisted channel estimation and demodulation for CDMA systems in fast fading environments	370/342	370/442; 375/148; 375/150
19	US 6477210 B2	20021105	28	System for near optimal joint channel estimation and data detection for COFDM systems	375/340	370/210
20	US 6470043 B1	20021022	6	Near-optimal low-complexity decoding of space-time codes for fixed wireless applications	375/144	375/148; 375/347
21	US 6466610 B1	20021015	16	Spread-spectrum, space diversity and coding antenna system and method	375/141	375/143; 375/144; 375/267; 375/347
22	US 6393073 B1	20020521	15	Method of frequency offset estimation and correction for adaptive antennas	375/340	375/327
23	US 6377636 B1	20020423	20	Method and wireless communications system using coordinated transmission and training for interference mitigation	375/346	370/342; 375/260; 375/347
24	US 6327310 B1	20011204	8	Wireless transmission method for antenna arrays, having improved resistance to fading	375/259	375/267; 375/346; 375/347
25	US 6314147 B1	20011106	20	Two-stage CCI/ISI reduction with space-time processing in TDMA cellular networks	375/346	375/348; 455/296; 455/63

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16	Kong; Ning
17	Smee; John E. et al.
18	Friedlander; Benjamin et al.
19	Chuang; Justin C. et al.
20	Lo; Titus et al.
21	Schilling; Donald L.
22	Eilts; Henry S.
23	Paulraj; Arogyaswami J. et al.
24	Hochwald; Bertrand M. et al.
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26	US 6304750 B1	20011016	7	Space-time diversity receiver for wireless systems	455/137	370/335; 370/342; 375/144; 375/148; 375/349
27	US 6259894 B1	20010710	13	Method for improved line-of-sight signal detection using RF model parameters	455/65	375/343; 375/346; 455/67.1; 455/67.6
28	US 6226321 B1	20010501	27	Multichannel parametric adaptive matched filter receiver	375/227	375/340; 375/346
29	US 6188736 B1	20010213	5	Near-optimal low-complexity decoding of space-time codes for fixed wireless applications	375/347	375/130; 375/267; 375/346; 455/303; 455/304; 702/191
30	US 6188718 B1	20010213	9	Methods and apparatus for reducing cochannel interference in a mixed-rate communication system	375/148	375/347; 375/349; 455/273; 455/278.1
31	US 6178196 B1	20010123	13	Combined interference cancellation and maximum likelihood decoding of space-time block codes	375/148	375/341; 375/347; 375/349
32	US 6144711 A	20001107	49	Spatio-temporal processing for communication	375/347	375/346; 375/349
33	US 6128330 A	20001003	19	Efficient shadow reduction antenna system for spread spectrum	375/141	375/143; 375/144; 375/347
34	US 6097771 A	20000801	13	Wireless communications system having a layered space-time architecture employing multi-element antennas	375/346	375/349
35	US 6088408 A	20000711	8	Decoding for generalized orthogonal designs for space-time codes for wireless communication	375/347	375/340; 455/133
36	US 5937014 A	19990810	18	Self-synchronizing equalization techniques and systems	375/340	375/348
37	US 5905721 A	19990518	9	Methods for channel estimation and signal detection of CDMA signals	370/342	375/148; 375/349

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27	Tekinay; Sirin
28	Michels; James H. et al.
29	Lo; Titus et al.
30	Gitlin; Richard Dennis et al.
31	Naguib; Ayman F. et al.
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38	US 5848105 A	19981208	46	GMSK signal processors for improved communications capacity and quality	375/336	370/478; 375/346; 375/350
39	US 5818866 A	19981006	13	Method of selecting propagation delays retained for receiving messages transmitted by spread spectrum radio communication	375/149	375/150; 375/254; 375/285; 375/346; 455/132; 455/63; 455/67.1; 455/67.3
40	US 5191598 A	19930302	8	System for reducing the affects of signal fading on received signals	375/347	375/340; 375/348; 455/137; 455/273

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38	Gardner; William A. et al.
39	Wilk; Heinz
40	Backstrom; Tomas O. et al.